

HW: Worksheet/7, 11, 13-21

Warm up:

Solve.

$$1) 4 - 5n = -12$$

$$\begin{array}{r} -4 \qquad -4 \\ \hline \end{array}$$

$$\begin{array}{r} -5n = -16 \\ \hline -5 \qquad -5 \end{array}$$

$$n = 3.2 = 3\frac{1}{5}$$

$$\begin{array}{r} -3\frac{1}{4} - \\ -\frac{1}{4} \frac{3}{4} - \\ \hline -\frac{39}{12} - \frac{10}{12} \frac{5}{12} \end{array}$$

$$2) -3\frac{1}{4} = \frac{5}{6} + \frac{2}{3}g$$

$$\begin{array}{r} -\frac{5}{6} \\ \hline \end{array}$$

$$\frac{2}{2} \left(-\frac{49}{12} \right) = \left(\frac{2}{3} 9 \right) \frac{2}{2}$$

$$-\frac{49}{6} = 9$$

$$\frac{-6}{6} - \frac{49}{6} = 9$$

mean

the sum of the data divided by the number of items in the data set

median

the middle number in a set that has been ordered from least to greatest

mode

the number that occurs most often in a data set

range

the difference between the largest and smallest number in the data set

~~46, 53, 33, 53, 79~~
33, 46, 53, 53, 79

$$\text{mean} = \frac{46 + 53 + 33 + 53 + 79}{5} = 52.8$$

$$\text{median} = 53$$

$$\text{mode} = 53$$

$$\text{range} = 79 - 33 = 46$$

~~21, 26, 27, 38, 17, 19, 42, 24~~

17, 19, 21, 24, 26, 27, 38, 42

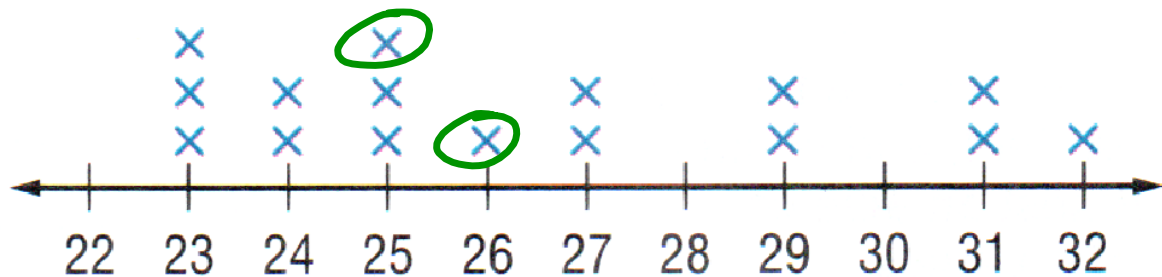
$$\text{mean} = \frac{17 + 19 + 21 + 24 + 26 + 27 + 38 + 42}{8} = 26.75$$

$$\text{median} = \frac{24 + 26}{2} = 25$$

mode \rightarrow no mode

$$\text{range} = 42 - 17 = 25$$

Minutes Spent Walking



$$\text{mean} = \frac{424}{16} = 26.5$$

$$\text{median} = \frac{25+26}{2} = 25.5$$

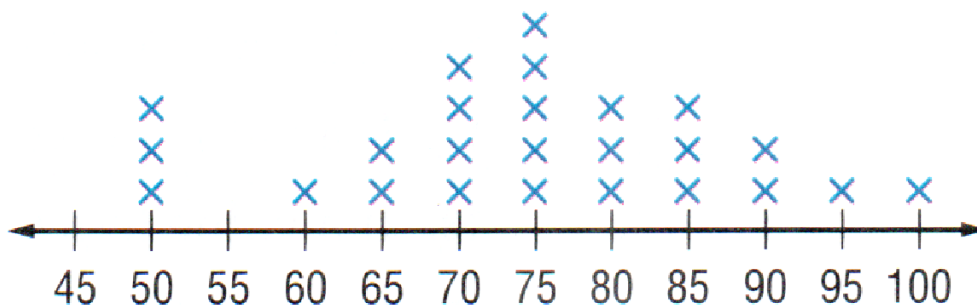
$$\text{mode} = 23 \text{ and } 25$$

$$\begin{aligned} \text{range} &= 32 - 23 \\ &= 9 \end{aligned}$$

Find the mean, median, mode, and range.

1) 29, 14, 80, 59, 78, 30, 59, 69, 55, 50

2) The line plot show the price of athletic shoes.



1) ~~29, 14, 80, 59, 78, 30, 59, 69, 55, 50~~
14, 29, 30, 50, 55, 59, 59, 69, 78, 80

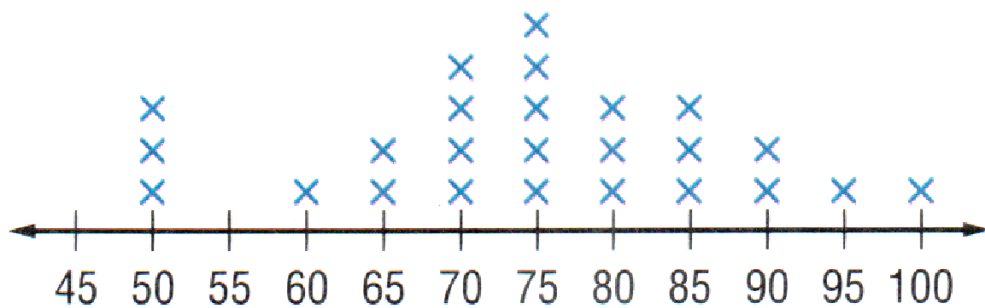
$$\text{mean} = \frac{523}{10} = 52.3$$

$$\text{median} = \frac{55 + 59}{2} = 57$$

$$\text{mode} = 59$$

$$\text{range} = 80 - 14 = 66$$

2) The line plot show the price of athletic shoes.



$$\text{mean} = \frac{1865}{25} = 74.6$$

$$\text{median} = 75$$

$$\text{mode} = 75$$

$$\text{range} = 100 - 50 = 50$$

